Internation I Application No PCT/CA2004/001044

			101/CA2004/001044			
A. CLASSII	FICATION OF SUBJECT MATTER H01M8/02	-				
According t	o International Patent Classification (IPC) or to both national classif	fication and IPC				
B. FIELDS	SEARCHED					
Minimum do	ocumentation searched (classification system followed by classified HOIM	ation symbols)				
Documentatio	on scarched other than minimum documentation to the extent the	at such documents are inclu	udod in the fields searched			
	data base consulted during the international search (name of data ernal , WPI Data, PAJ	base and, where practical,	search terms used)			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document with indication, where appropriate, of the	relevant passages	Relevant to claim No			
Х	WO 02/44103 A (FORSCHUNGSZENTRUM GMBH; TIETZ, FRANK; OUNGEN, WOL MESCHK) 6 June 2002 (2002-06-06)	FGANG;	1-5			
Y	page 5, lines 1,2 page 6, lines 10-14 example 3		6,7			
Y	WO 01/280/4 A (GLOBAL THERMOELEC 19 April 2001 (2001-04-19) example 1	CTRIC INC)	6,7			
X	WO 02/41434 A (FORSKNINGSCENTER HANSEN, JESPER, ROEMER; LARSEN, HALVOR;) 23 May 2002 (2002-05-23 page 8, lines 15,16 examples 9,17	•	1,2,5			
		-/				
X Furth	her documents are listed in the continuation of box C	X Patent family r	members are listed in annex			
lA" documen	ategories of cited documents nt defining the general state of the art which is not cred to be of particular relevance document but published on or after the international	or priority date and cited to understand invention	lished after the international filing dale d not in conflict with the application but the principle or theory underlying the			
filing of 'L' document which citation	date it which may throw doubls on priority clatm(s) or is cited to establish the publication date of another is or other special reason (as specified)	cannot be consider involve an inventiv	1X document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone or cannot be considered to involve an invention cannot be considered to involve an inventive step when the			
other	nt referring to an oral disclosure, use, exhibition or means nt published prior to the international filing date but		ined with one or more other such documination being obvious to a person skilled			
later th	han the priority date claimed actual completion of the international search	,	of the same patent family			
	2.1 November 2005	Date of mailing of t	Date of mailing of the international search report O 1 12. 2005			
Name and i	mailing address of the ISA European Patent Office, P B 5818 Patentlaan 2	Authorized officer				
	NL - 2280 HV Rijswijk Tel (131-70) 340-2040 Tx 31651 epo nl, Fax (131-70) 340-3016	GONZAL	EZ-CUENCA, M			

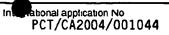
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No		
X	DE 199 32 194 Al (SIEMENS AG) 18 January 2001 (2001-01-18) column 1, lines 8-22 column 2, lines 2-37,67,68 column 3, lines 1-4	1,2		
A	DE 196 27 504 Cl (SIEMENS AG, 80333 MUENCHEN, DE) 23 October 1997 (1997-10-23) column 3, lines 27-46 column 4, lines 30-47	8-15		
A	DE 196 09 133 Cl (SIEMENS AG, 80333 MUENCHEN, DE) 4 September 1997 (1997-09-04) column 3, lines 37-54 claims 1-6	8-15		
A	wo 01/04981 A (SIEMENS AKTIENGESELLSCHAFT; JANSING, THOMAS) 18 January 2001 (2001-01-18) page 6, lines 11-37 claims 1-8	8-15		
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 04, 2 April 2003 (2003-04-02) & JP 2002 358980 A (MITSUBISHI MATERIALS CORP), 13 December 2002 (2002-12-13) abstract	8-15		

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 J Р	2002358980	A	13-12-2002	NONE			



Box 11 Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons
Claims Nos because they relate to subject matter not required to be searched by this Authority, namely
Claims Nos because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically
3 Claims Nos because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)
Box m Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows
see additi onal sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims
2 As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee
3 As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos
No required additional search fees were timely paid by the applicant Consequently, this International Search Report is restricted to the invention first mentioned in the claims, it is covered by claims Nos
Remark on Protest The additional search fees were accompanied by the applicant's protest No protest accompanied the payment of additional search fees

FURTHER INFORMATION CONTINUED FROM PCT ASA/ 210

This Internati onal Searching Authority found multiple (groups of) inventions in this internati onal application, as follows:

1. claims: 1-7

A fuel cell stack comprising a plural ity of planar interleaved fuel cells and interconnects comprising a contact layer disposed between at least one electrode of a fuel cell and an adjacent interconnect, the contact layer comprising a perovskite having the formula AB03 where: (a) A is a doped or undoped rare earth metal or lanthanide; (b) B is a doped or undoped transiti on metal; and (c) wherein the perovskite is electrical ly conductive and has a coefficient of thermal expansi on which closely matches that of the fuel cell

2. claims: 8-15

A fuel cell stack comprising a plural ity of planar interleaved fuel cells and interconnects and comprising a contact layer disposed between at least one electrode of a fuel cell and an adjacent interconnect, the contact layer comprising at least two outer layers and a central layer of electrical ly conducti ve materials, wherein the central layer comprises a stress relief layer comprised of material selected from the group consisting of: (a) particles of a conductive ceramic material which are coarser than in the outer layers; (b) particles of a conductive ceramic material which has significantly different sintering characteristics than the outer layers; and (c) a porous metallic material